APPENDIX B -- COPY OF INFORMATION DISCLOSURE STATEMENT FILED ON MARCH 9, 2000 WITH COPY OF POST CARD RECEIPT





Applicants:

Application No.:

Chu et al.

09/438,365

Due Date:

Art Unit:

To be assigned

Examiner:

To be assigned

Docket:

0942.4650001

RWE/THN Atty:

Filed:

For:

November 12, 1999

New Transfection Reagents

When receipt stamp is placed hereon, the USPTO acknowledges receipt of the following documents

PTO Transmittal Letter (in duplicate);

Information Disclosure Statement (in duplicate);

Form PTO-1449 (5 sheets citing 51 documents); and

51 documents cited in Form PTO-1449.

Please Date Stamp And Return To Our Courier



ROBERT GREENE STERNE EDWARD J. KESSLER JORGE A. GOLDSTEIN SAMUEL L. FOX DAVID K.S. CORNWELL ROBERT W. ESMOND TRACY-GENE G. DURKIN MICHAEL B. RAY ROBERT E. SOKOHL ERIC K. STEFFE MICHAEL O. LEE

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

ATTORNEYS AT LAW

IIOO NEW YORK AVENUE, N.W., SUITE 600 WASHINGTON, D.C. 20005-3934

(202) 371-2600

FACSIMILE: (202) 371-2540; (202) 371-6566

STEVEN R. LUDWIG
JOHN M. COVERT*
LINDA E. ALCORN
RAZ E. FLESHNER
ROBERT C. MILLONIG
MICHAEL V. MESSINGER
JUDITH U. KIM
TIMOTHY J. SHEA, JR.
DONALD R. MCPHAIL
PATRICK E. GARRETT
STEPHEN G. WHITESIOE
JEFFREY T. HELVEY*

HEIDI L. KRAUS
JEFFREY R. KURIN
RAYMOND MILLIEN
PATRICK D. O'BRIEN
LAWRENCE B. BUGAISKY
CRYSTAL D. SAYLES*
EDWARD W. YEE
ALBERT L. FERRO*
DONALD R. BANOWIT
PETER A. JACKMAN
MOLLY A. MCCALL

TERESA U. MEDLER
JEFFREY S. WEAVER
KRISTIN K. VIDOVICH
KENDRICK P. PATTERSON
DONALD J. FEATHERSTONE
GRANT E. REED
VINCENT L. CAPUANO
JOHN A. HARROUN*
MATTHEW M. CATLETT*
NATHAN K. KELLEY*
ALBERT J. FASULO II *

FILE COPY

KAREN R. MARKOWICZ**
SUZANNE E. ZISKA**
BRIAN J. DEL BUONO**
ANDREA J. KAMAGE**
NANCY J. LEITH**
TARJA H. NAUKKARINEN**

*BAR OTHER THAN D.C. **REGISTERED PATENT AGENTS

March 9, 2000

WRITER'S DIRECT NUMBER: (202) 371-2560
INTERNET ADDRESS:
RESMOND@SKGF.COM

Assistant Commissioner for Patents Washington, D.C. 20231

Re.

U.S. UtilityPatent Appl. No. 09/438,365; Filed: November 12, 1999

For: New Transfection Reagents

Inventors:

Chu et al.

Our Ref:

0942.4650001/RWE/THN

Sir:

Applicants submit the following documents for appropriate action by the U.S. Patent and Trademark Office:

- 1. Information Disclosure Statement (in duplicate);
- 2. Form PTO-1449 (5 sheets citing 51 documents);
- 3. 51 documents cited in Form PTO-1449; and
- 4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Assistant Commissioner for Patents March 9, 2000 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge all requisite fees to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Sterne, Kessler, Goldstein & Fox P.L.L.C.

Robert W. Esmond

Attorney for Applicants Registration No. 32,893

RWE/THN/lam

Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Chu et al.

Appl. No. 09/438,365

Filed: November 12, 1999

For: New Transfection Reagents

Art Unit:

To be assigned

Examiner:

To be assigned

Atty. Docket: 0942.4650001/RWE/THN

Information Disclosure Statement

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each of these documents is provided.

The Examiner's attention is directed to co-pending U.S. Patent Application Nos. 08/450,555 filed May 25, 1995 and 09/039,780 filed March 16, 1998, which are directed to related technical subject matter. The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following concise explanation of the relevance of the non-English language document, Document No. AL1, cited on Form PTO-1449.

Document No. AL1, European Patent No. EP 0 394 111 B1, is in French. It is believed to disclose lipopolyamines, which are especially useful as vectors for the transfection of eukaryotic

cells, their salts, their preparation and their use. Document No. AE1, U.S. Patent No. 5,171,678, is believed to be an English language equivalent of Document No. Al1.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date but before the mailing date of a first Office Action on the merits.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this pleading is enclosed.

Respectfully submitted,

Sterne, Kessler, Goldstein & Fox p.l.l.c.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

Date: March 9, 2000

1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934 (202) 371-2600

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				U.	S. PATENT DOCUMENTS					
AMINER		200111	CUT NUMBER	DATE	NAME	CL	ASS SUB-C	LASS	FILING DATE	
ITIAL	-	 	ENT NUMBER	11/23/1954	Kosmin, M.	260	584		08/25/1951	
	AA1	2,695		08/25/1959	Auerbach et al.	26	47		05/05/1955	
	AB1			10/06/1964	Kirkpatrick, W.H.	26	584		11/15/1960	
	AC1	3,152 4,897		01/30/1990	Eppstein et al.	43	5 240.2	2	10/29/1987	
	AD1			12/15/1992	Behr et al.	43	5 172.3	3	04/17/1990	
	AE1	5,171		05/04/1993	Eppstein et al.	42	4 450		11/16/1990	
	AF1	5,208		01/18/1994	Rose, J.K.	42	4 450		04/04/1990	
	AG1	5,279		02/01/1994	Epand et al.	43	5 172.3	3	08/28/1991	
	AH1	5,283			Gebeyehu et al.	56	4 197		08/28/1992	
	AI1	5,334		08/02/1994	Kahne et al.	53	6 5	- 1	04/08/1994	
	AJ1		5,335	10/03/1995		51			09/16/1993	
	AK1	5,459	9,127	10/17/1995	Felgner et al.	12.				
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	AL1	EP 0	394 111 B1	06/04/1997	Europe				N Ye	
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			OTHER	(Including Auth	nor, Title, Date, Pertinen	it Pages, etc	.)			
	AR	1	Bangham, A. J. Mol. Bio	.o. et al., "Di al. 13:238-252	ffusion of Univalent Ions (1965).	across the L	amellae of Sw	ollen F	Phospholipids,	
	Ás	1	Behr, JP lipopolyam	. et al., "Effi ine-coated DNA	icient gene transfer into "" Proc. Natl. Acad. Sci. L	mammalian pri USA 86:6982-6	imary endocrin 986 (September	ne cells r 1989)	s with	
		 								
	АТ	1	Felgner, P procedure,	.L. et al., "L " <i>Proc. Natl. A</i>	ipofection: A highly effic Acad. Sci. USA 84:7413-7417	cient, lipid- 7 (November 1	mediated DNA-t 987).	ransfe	ction	
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

APPLICATION NO. 09/438,365 ATTY. DOCKET NO. 0942.4650001 **APPLICANT** Chu et al. FILING DATE GROUP

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				U.S	. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CL	ASS	SUB-CLASS	FILING DATE
	AA2	 	5,412	08/13/1996	Eppstein <i>et al</i> .	42	4	450	04/03/1995
	AB2		0,289	08/27/1996	Eppstein et al.	56	4	293	04/03/1995
	AC2		9,466	12/31/1996	Felgner et al.	51	4	44	01/26/1995
<u>.</u>	AD2		7,774	09/16/1997	Figuly, G.D.	42	4	78.08	11/07/1996
	AE2		4,908	10/07/1997	Haces et al.	51	4	642	12/20/1993
	AF2		3,055	12/30/1997	Felgner et al.	51	4	44	01/26/1994
	AG2		5,385	01/06/1998	Bally et al.	43	5	320.1	06/07/1995
	AH2		9,131	02/17/1998	Harris et al.	51	4	44	10/20/1995
	AI2	_	6,392	04/07/1998	Hawley-Nelson et al.	43	5	320.1	06/04/1996
	AJ2		3,613	05/19/1998	Ansell et al.	51	4	2	05/16/1995
	AK2		33,565	07/21/1998	Lee et al.	51	4	44	02/01/1996
	I AKE	127.5			IGN PATENT DOCUMENTS				
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	AR	2	Fukunaga, N Administere	4. et al., "Lipos ed Calcitonin," l	some Entrapment Enhances the Endocrinol. 115:757-761 (1984	Hypocalc	emic Act	tion of Pare	nterally
	AS :	2	Gao, X. and Cells," <i>Bio</i>	d Huang, L., "A ochem. Biophys. F	Novel Cationic Liposome Reag Res. Comm. 179:280-285 (Augus	ent for E t 1991).	Efficien	t Transfecti	on of Mammalian
	AT	2	Hart, S.L. Vector," H	et al. , "Lipid- um. Gene Ther. 9	Mediated Enhancement of Tran :575-585 (March 1998).	sfection	by a No	nviral Integ	grin-Targeting
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Page 3 of 5

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.4650001

APPLICATION NO.
09/438,365

APPLICANT
Chu et al.

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	AA3		3,566	07/21/1998	Mislick, K.A.	514	44	05/10/1996
	AB3	5,78	5,992	07/28/1998	Ansell et al.	424	450	09/29/1995
<u></u>	AC3	5,79	5,587	08/18/1998	Gao et al.	424	450	01/23/1995
	AD3		0,430	11/03/1998	Unger et al.	424	1.21	02/21/1995
	AE3	\neg	0,878	11/03/1998	Gorman et al.	514	44	06/07/1995
	AF3		4,439	11/10/1998	Haces et al.	514	42	01/13/1997
	AG3	\neg	7,283	11/17/1998	McDonald et al.	424	450	03/12/1997
	AH3		0,710	11/24/1998	Lee et al.	514	44	10/20/1995
·	A13		8,635	06/01/1999	Thierry, A.	424	450	08/05/1994
	AJ3		5,936	08/10/1999	Fasbender et al.	514	44	06/03/1996
	AK3		8,925	09/07/1999	Keynes et al.	552	540	05/06/1997
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	AR	3		•	ion of Multivesicular Lipos		ophys. Acta 7	728:339-348
	AS.	3	Mayer, L.D Biochim. Bi	. et al., "Vesio ophys. Acta 858	cles of variable sizes prod :161-168 (1986).	luced by a rapid ex	trusion proc	edure,"
	АТ	3	Mayhew, E. Biophys. Ad	et al., "Charac ta 775:169-174	cterization of Liposomes Pr (1984).	epared Using a Mic	roemulsifier:	," Biochim.
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.4650001	APPLICATION NO. 09/438,365	
APPLICANT Chu et al.		
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	AA4	5,94	8,767	09/07/1999	Scheule et al.	51		07/12/1996		
	AB4	5,96	2,533	10/05/1999	Bergeron, Jr., R.J.	51	4 674	02/06/1996		
	AC							<u> </u>		
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	AR	4	Olson, F. (Polycarbona	et al., "Prepara ate Membranes,"	ation of Liposomes of Def Biochim. Biophys. Acta 55	ined Size Dis 57:9-23 (1979	tribution by Extru	usion Through		
	ÁS	Rosenthal, A.F. and Geyer, R.P., "A Synthetic Inhibitor of Venom Lecithinase A," J. Biol. 235:2202-2206 (August 1960).								
	AT	4	Szoka Jr., internal a 75:4194-41	queous space an	jopoulos, D., "Procedure d high capture by reverse	for preparat -phase evapo	ion of liposomes w ration," <i>Proc. Nat</i>	ith large 1. Acad. Sci. USA		
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INFORMATION DISCLOSURE STATEMENT

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	AR	<u>5</u>	Zhou, X. e Biochim. Bi	t al., "Lipophi iophys. Acta 106	lic polylysines mediato 55:8-14 (1991).	e efficient l	DNA transfe	ection in mam	malian cells,"
	AS:	5	Life Techn	ologies Inc. ca	ntalogue, <i>Spectru</i> m, pp.	1-8 (Septem	ber 1999).		
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